

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5245490

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	VIDACARE LLC	02/13/2017
RECEIVING PARTY DATA		
Name:	TELEFLEX MEDICAL DEVICES S.À R.L.	
Street Address:	560A, RUE DE NEUDORF	
City:	LUXEMBOURG	
State/Country:	LUXEMBOURG	
Postal Code:	L-2220	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16195343
CORRESPONDENCE DATA		
Fax Number:	(202)861-1783	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	2028611500	
Email:	patents@bakerlaw.com	
Correspondent Name:	BAKER HOSTETLER LLP	
Address Line 1:	1050 CONNECTICUT AVENUE, N.W.	
Address Line 2:	SUITE 1100	
Address Line 4:	WASHINGTON, D.C. 20036	
ATTORNEY DOCKET NUMBER:	99599.22208	
NAME OF SUBMITTER:	JONATHAN S. WERNER	
SIGNATURE:	/Jonathan S. Werner/	
DATE SIGNED:	11/20/2018	
Total Attachments: 16		
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page1.tif		
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page2.tif		
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page3.tif		
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page4.tif		
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page5.tif		

source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page6.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page7.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page8.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page9.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page10.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page11.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page12.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page13.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page14.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page15.tif
source=Assignment_VidacareLLC_TeleflexMedicalDevicesSARL_22208#page16.tif

U.S. Intellectual Property Assignment

This U.S. Intellectual Property Assignment ("IP Assignment") is executed, acknowledged and delivered by Vidacare LLC, a Delaware limited liability company with an address of 550 E. Swedesford Road, Suite 400, Wayne, PA 19087 ("Assignor"), in accordance with, and pursuant to the terms and conditions of the Master Framework Intellectual Property Purchase Agreement dated as of February 13, 2017 ("Purchase Agreement") between Assignor, as Seller, and Teleflex Medical Devices S.à r.l., a private limited liability company organized under the laws of the Grand Duchy of Luxembourg (registered number B 185.177) with its registered office at 560A, rue de Neudorf, L-2220 Luxembourg, Grand-Duchy of Luxembourg ("Assignee"), as Buyer. Capitalized terms used herein and not expressly defined will have the meaning ascribed to such terms in the Purchase Agreement.

WHEREAS, Assignor owns legal title to Assigned IP (as defined below);

WHEREAS, Assignor desires to assign to Assignee the legal title to the Assigned IP;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, Assignor has sold, assigned, transferred and set over, and by these presents does hereby assigns to Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest in and to the following (collectively, the "Assigned IP"):

(i) the patent(s) and patent application(s) identified in Attachment 1 attached hereto ("Listed Patents"), together with any patent(s) issuing on any such patent application;

(ii) each patent and patent application to which any of the any of the Listed Patents claims priority, for which any of the Listed Patents forms a basis for priority, that were co-owned applications that incorporate by reference the Listed Patents, or which are subject to a terminal disclaimer with any of the Listed Patents;

(iii) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any patent(s) or patent application(s) identified in clause (i) or clause (ii) above, with each patent and patent application described in clauses (i), (ii), and (iii) collectively referred to as the "Assigned Patents";

(iv) all subject matter, and each invention, claimed or disclosed in each of the Assigned Patents and all embodiments of such subject matter and inventions;

(v) all trademarks, service marks, trade dress, trade names, corporate names, logos, Internet domain names and slogans (and all translations, adaptations, derivations and combinations of the foregoing) owned by, licensed to, or otherwise acquired or used or held for use by Assignor, including the trademarks identified in Attachment 2;

(vi) all rights of any kind whatsoever of Assignor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world; and

(vii) to the extent they exist, any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

Recordation and Further Actions. Assignor hereby authorizes the United States Patent and Trademark Office and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this IP Assignment upon request by Assignee. Following the date hereof, Assignor shall take such steps and actions, and provide such cooperation and assistance to Assignee and its successors, assigns and legal representatives, including the execution and delivery of any affidavits, declarations, oaths, exhibits, assignments, powers of attorney, or other documents, as may be reasonably necessary to effect, evidence or perfect the assignment of the Assigned IP to Assignee, or any assignee or successor thereto. Assignor also authorizes and requests the attorney or agent of record to insert on this IP Assignment any further identification that may be necessary or desirable in order to comply with the rules of the respective patent office or governmental agency in each jurisdiction for recordation or other official recognition.

Terms of the Purchase Agreement. The parties hereto acknowledge and agree that this IP Assignment is entered into pursuant to the Purchase Agreement, to which reference is made for a further statement of the rights and obligations of Assignor and Assignee with respect to the Assigned IP. The representations, warranties, covenants, agreements and indemnities contained in the Purchase Agreement shall not be superseded hereby but shall remain in full force and effect to the full extent provided therein. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms hereof, the terms of the Purchase Agreement shall govern.

Counterparts. This IP Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this IP Assignment delivered by facsimile, e-mail or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this IP Assignment.

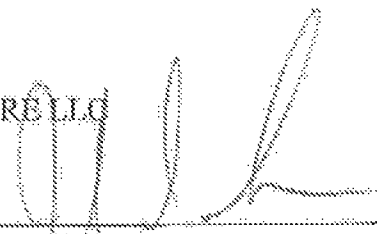
Successors and Assigns. This IP Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

Governing Law. This IP Assignment and any claim, controversy, dispute or cause of action (whether in contract, tort or otherwise) based upon, arising out of or relating to this IP Assignment and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Delaware, without giving effect to any choice or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction).

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Assignor has duly executed and delivered this IP Assignment
as of the date first above written.

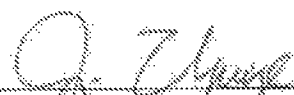
VIDACARE LLC

By: 

Name: John Deren

Title: Vice President

TELEFLEX MEDICAL DEVICES S.A.R.L.

By: 

Name: Jacob P. Elguiche

Title: Category A Manager

Attachment 1

Assigned U.S. Patents and Patent Applications

Title	Application No.	Patent No.	Status
BIOPSY NEEDLE	09/955790	6875183	Issued
INTRA-OSSEOUS NEEDLE DRILL	08/397779	5554154	Expired
APPARATUS AND METHOD TO PROVIDE ACCESS TO BONE MARROW	60/384756		Expired
APPARATUS AND METHOD TO PROVIDE EMERGENCY ACCESS TO BONE MARROW	10/449503	7670328	Issued
APPARATUS AND METHOD TO PROVIDE EMERGENCY ACCESS TO BONE MARROW	12/331979	8715287	Issued
APPARATUS AND METHOD TO PROVIDE EMERGENCY ACCESS TO BONE MARROW	14/271144	8992535	Issued
APPARATUS AND METHOD TO PROVIDE EMERGENCY ACCESS TO BONE MARROW	14/666391	9393031	Issued
APPARATUS AND METHOD TO INJECT FLUIDS INTO BONE MARROW AND OTHER TARGET SITES	11/190331	7811260	Issued
APPARATUS AND METHOD TO INJECT FLUIDS INTO BONE MARROW AND OTHER TARGET SITES	12/899696	8684978	Issued
APPARATUS AND METHOD TO INJECT FLUIDS INTO BONE MARROW AND OTHER TARGET SITES	12/347506	8038664	Issued
APPARATUS AND METHOD TO INJECT FLUIDS INTO BONE MARROW AND OTHER TARGET SITES	13/275148		Pending
CARTRIDGE APPARATUS FOR INJECTING FLUIDS INTO BONE	12/718606	8480632	Issued

Title	Application No.	Patent No.	Status
APPARATUS AND METHOD TO INJECT FLUIDS INTO BONE MARROW AND OTHER TARGET SITES	12/718638	9295487	Issued
APPARATUS TO INJECT FLUIDS INTO BONE MARROW AND OTHER TARGET SITES	15/064272		Pending
APPARATUS TO INJECT FLUIDS INTO BONE MARROW AND OTHER TARGET SITES	12/554708	8308693	Issued
APPARATUS AND METHODS TO INSTALL, SUPPORT AND/OR MONITOR PERFORMANCE OF INTRAOSSEOUS DEVICES	11/461885		Abandoned
APPARATUS AND METHODS TO INSTALL, SUPPORT AND/OR MONITOR PERFORMANCE OF INTRAOSSEOUS DEVICES	12/947312	9439667	Issued
APPARATUS AND METHODS TO INSTALL, SUPPORT AND/OR MONITOR PERFORMANCE OF INTRAOSSEOUS DEVICES	15/262030		Pending
VASCULAR ACCESS KITS AND METHODS	11/380340	9072543	Issued
VASCULAR ACCESS KITS AND METHODS	14/791654		Pending
MEDICAL PROCEDURES TRAYS AND RELATED METHODS	11/853701	8656929	Issued
MEDICAL PROCEDURES TRAYS AND RELATED METHODS	14/189809		Pending

Title	Application No.	Patent No.	Status
ASSEMBLIES FOR COUPLING INTRAOSSEOUS (IO) DEVICES TO POWERED DRIVERS	12/407651	8944069	Issued
VERTEBRAL ACCESS SYSTEM AND METHODS	14/600162		Pending
ASSEMBLY FOR COUPLING POWERED DRIVER WITH INTRAOSSEOUS DEVICE	11/853678	8668698	Issued
ASSEMBLY FOR COUPLING POWERED DRIVER WITH INTRAOSSEOUS DEVICE	14/184194		Pending
APPARATUS AND METHOD FOR ACCESSING THE BONE MARROW OF THE STERNUM	60/519462		Expired
APPARATUS AND METHOD FOR ACCESSING THE BONE MARROW OF THE STERNUM	10/987051	8142365	Issued
APPARATUS AND METHOD FOR ACCESSING THE BONE MARROW	11/023173	9314228	Issued
APPARATUS FOR ACCESSING BONE MARROW INCLUDING DEPTH CONTROL MECHANISM	15/084541		Pending
INTRAOSSEOUS DEVICE AND METHODS FOR ACCESSING BONE MARROW IN THE STERNUM AND OTHER TARGET AREAS	11/620927	8998848	Issued
INTRAOSSEOUS DEVICE AND METHODS FOR ACCESSING BONE MARROW IN THE STERNUM AND OTHER TARGET AREAS	12/554664	8419683	Issued
VASCULAR ACCESS KIT	60/675246		Expired

Title	Application No.	Patent No.	Status
APPARATUS AND METHOD TO ACCESS THE BONE MARROW FOR ONCOLOGY AND STEM CELL APPLICATIONS	10/448650	5/30/2003	Abandoned
APPARATUS AND METHOD TO ACCESS THE BONE MARROW FOR ONCOLOGY AND STEM CELL APPLICATIONS	11/389,732	3/27/2006	Abandoned
APPARATUS AND METHODS TO HARVEST BONE AND BONE MARROW	11/427501	7951089	Issued
APPARATUS AND METHOD TO ACCESS THE BONE MARROW	12/427310	8690791	Issued
APPARATUS AND METHODS TO HARVEST BONE AND BONE MARROW	12/259745	9078637	Issued
APPARATUS AND METHODS TO HARVEST BONE AND BONE MARROW	14/798182		Pending
APPARATUS AND METHOD TO ACCESS THE BONE MARROW FOR ONCOLOGY AND STEM CELL APPLICATIONS	11/781597		Abandoned
APPARATUS AND METHOD TO ACCESS THE BONE MARROW FOR ONCOLOGY AND STEM CELL APPLICATIONS	12/701268		Abandoned
APPARATUS AND METHOD TO ACCESS THE BONE MARROW FOR ONCOLOGY AND STEM CELL APPLICATIONS	11/389733		Abandoned

Title	Application No.	Patent No.	Status
APPARATUS AND METHOD TO ACCESS THE BONE MARROW FOR ONCOLOGY AND STEM CELL APPLICATIONS	11/781568		Abandoned
BIOPSY DEVICES AND RELATED METHODS	11/853685	7850620	Issued
BIOPSY DEVICES AND RELATED METHODS	12/963255		Pending
BONE MARROW ASPIRATION DEVICES AND RELATED METHODS	11/853691	9545243	Issued
MANUAL INTEROSSEOUS DEVICE	60/539171		Expired
IMPACT-DRIVEN INTRAOSSEOUS NEEDLE	60/547868		Expired
APPARATUS AND METHOD TO ACCESS BONE MARROW	10/449476	7699850	Issued
APPARATUS AND METHOD TO ACCESS BONE MARROW	11/253467	8876826	Issued
APPARATUS AND METHOD TO ACCESS BONE MARROW	14/532635		Pending
APPARATUS AND METHOD TO ACCESS BONE MARROW	11/253959	8506568	Issued
APPARATUS AND METHOD TO ACCESS BONE MARROW	13/966104	9314270	Issued
APPARATUS TO ACCESS BONE MARROW	15/064175		Pending
MANUAL INTRAOSSEOUS DEVICE	11/042912	8641715	Issued
IMPACT-DRIVEN INTRAOSSEOUS NEEDLE	11/064156	7815642	Issued
IMPACT-DRIVEN INTRAOSSEOUS NEEDLE	12/905659	8870872	Issued
MANUAL INTRAOSSEOUS DEVICE	12/787228	9433400	Issued
PENETRATOR ASSEMBLY FOR ACCESSING BONE MARROW	15/255938		Pending

Title	Application No.	Patent No.	Status
POWERED DRIVERS, INTRAOSSEOUS AND METHODS TO ACCESS BONE MARROW	12/061944	9451968	Issued
POWERED DRIVERS, INTRAOSSEOUS AND METHODS TO ACCESS BONE MARROW	15/272647		Pending
POWERED DRIVER	12/025580	9504477	Issued
POWERED DRIVER	13/609001		Pending
SMART PARAMEDIC	60/938501		Expired
METHOD AND APPARATUS TO MONITOR PATIENTS AND TREAT WITH INTRAOSSEOUS FLUIDS	12/120992	7899528	Issued
METHOD AND APPARATUS TO MONITOR PATIENTS AND TREAT WITH INTRAOSSEOUS FLUIDS	13/038088	8812101	Issued
HIGH PRESSURE INTRAOSSEOUS BAG AND METHOD	60/913680		Expired
POWERED DRIVER INTRAOSSEOUS AND METHODS TO ACCESS BONE MARROW	60/910122		Expired
HIGH PRESSURE INTRAOSSEOUS BAG AND METHOD	12/596791		Pending
APPARATUS AND METHODS TO COMMUNICATE FLUIDS AND/OR SUPPORT INTRAOSSEOUS DEVICES	60/863521		Expired
APPARATUS AND METHODS FOR BIOPSY AND ASPIRATION OF BONE MARROW	60/825325		Expired

Title	Application No.	Patent No.	Status
APPARATUS AND METHODS TO COMMUNICATE FLUIDS AND/OR SUPPORT INTRAOSSEOUS DEVICES	11/619390	8974410	Issued
APPARATUS AND METHODS TO COMMUNICATE FLUIDS AND/OR SUPPORT INTRAOSSEOUS DEVICES	14/643839		Pending
TISSUE PENETRATING DEVICE AND METHODS FOR USING SAME	09/033105	6183442	Issued
TISSUE PENETRATING DEVICE AND METHODS FOR USING SAME	09/757122	6527778	Issued
TISSUE PENETRATING DEVICE AND METHODS FOR USING SAME	10/266452	7226450	Issued
INTRAOSSEOUS-NEEDLE STABILIZER AND METHODS	61/184035		Expired
INTRAOSSEOUS-NEEDLE STABILIZER AND METHODS	13/576943		Pending
STERNAL LOCATORS AND ASSOCIATED SYSTEMS AND METHODS	61/506316		Expired
STERNAL LOCATORS AND ASSOCIATED SYSTEMS AND METHODS	13/546894		Pending
INTRAOSSEOUS NEEDLE SETS AND KITS	13/835046	9414815	Issued
INTRAOSSEOUS NEEDLE SETS	15/237213		Pending
INTRAOSSEOUS DEVICE HANDLES, SYSTEMS, AND METHODS	14/776014		Pending
INTRAOSSEOUS DEVICE COUPLERS, DRIVERS, KITS, AND METHODS	13/835383		Pending
DRIVERS AND DRIVE SYSTEM	13/835624		Pending

Title	Application No.	Patent No.	Status
DRIVER ASSEMBLIES, DRIVERS, INTRAOSSEOUS DEVICES, AND METHODS FOR DETERMINING VOLTAGES AND/OR IMPEDANCES IN BIOLOGICAL MATERIAL.	13/836548		Pending
POWERED DRIVER ACTUATED BY FORCE ON DRIVESHAFT AND RELATED KITS, COMPONENTS, AND METHODS	61/940741		Expired
POWERED DRIVER ACTUATED BY FORCE ON DRIVESHAFT AND RELATED KITS, COMPONENTS, AND METHODS	61/945,325		Expired
POWERED DRIVER ACTUATED BY FORCE ON DRIVESHAFT AND RELATED KITS, COMPONENTS, AND METHODS	14/624219		Pending
ASSISTIVE DEVICE FOR REMOVING A BIOLOGICAL SAMPLE FROM AN INTRAOSSEOUS DEVICE, AND RELATED KITS AND METHODS	61/937365		Expired
ASSISTIVE DEVICE FOR REMOVING A BIOLOGICAL SAMPLE FROM AN INTRAOSSEOUS DEVICE, AND RELATED KITS AND METHODS	14/616330		Pending
PUMPING APPARATUSES AND METHODS FOR FLUID INFUSION	62/042783		Expired
INFUSING DEVICES, SYSTEMS, AND METHODS	62/232316		Expired

Attachment 2

Assigned U.S. Trademarks

Mark/Name	Registration No.	Registration Date	Full Goods/Services
DEFINING THE FIELD OF INTRAOSSEOUS MEDICINE	4016519	August 23, 2011	(Int'l Class: 42) design and development of emergency medical instruments and devices used to access bone marrow
Design Only	4652334	December 9, 2014	(Int'l Class: 10) medical instrument, namely, an intraosseous access system comprising a needle and a locating and stabilizing structure for accessing bone marrow cavity in order to administer blood transfusions, medicines, and fluids through the bone marrow
EZ-IO and Design	4183350	July 31, 2012	(Int'l Class: 10) medical instrument, namely, powered intraosseous access system, namely, comprising a needle and powered driver used to access bone marrow cavity in order to administer blood transfusions, medicines, and/or fluids through the bone marrow
EZ-IO HANDS-ON LAB EXPERIENCE and Design	4281645	January 29, 2013	(Int'l Class: 41) medical teaching and training of medical personnel utilizing cadaver laboratories to demonstrate and offer training for usage of vascular medical devices, surgical techniques, and related anatomy
EZ-STABILIZER	4443522	December 3, 2013	(Int'l Class: 10) medical device, namely, adhesive tape for secure placement of intraosseous needle set

Mark/Name	Registration No.	Registration Date	Full Goods/Services
IMMEDIATE VASCULAR ACCESS...WHEN YOU NEED IT.	4281738	January 29, 2013	(Int'l Class: 41) training in the use and operation of medical instruments and devices used to access bone marrow
ONCONTROL	3822270	July 20, 2010	(Int'l Class: 10) medical devices and apparatus for use in performing aspiration of bone marrow and other bodily fluids or tissues, namely, aspiration needles, powered drivers, containment materials, specimen containers, connectors, and kits containing one or more of these items; medical devices and apparatus for use in performing biopsies of bone, bone marrow and other bodily fluids or tissues, namely, biopsy needles, core needles, powered drivers, containment materials, specimen containers, connectors, and kits containing one or more of these items; medical devices and apparatus, namely, needles and powered driver used to access bone marrow cavity in order to administer chemo-therapeutic agents and stem cell transfusions directly into the interosseous space

Mark/Name	Registration No.	Registration Date	Full Goods/Services
ONCONTROL and Design	4284970	February 5, 2013	(Int'l Class: 10) medical devices and apparatus for use in performing aspiration of bone marrow, namely, aspiration needles, powered drivers, containment apparatus, specimen containers, connectors, and kits containing one or more of these items, sold as a unit; medical devices and apparatus for use in performing biopsies of bone, bone marrow, namely, biopsy needles, core needles, powered drivers, containment apparatus, specimen containers, connectors, and kits containing two or more of these items, sold as a unit; medical devices and apparatus, namely, needles and powered driver used to access bone marrow cavity
T.A.L.O.N. BY VIDACARE and Design	4429314	November 5, 2013	(Int'l Class: 10) medical instrument, namely, an intraosseous access system comprising a manually-drivable needle and a locating and stabilizing structure for accessing bone marrow cavity in order to administer blood transfusions, medicines, and fluids through the bone marrow
VIDACARE	3825808	July 27, 2010	(Int'l Class: 10) medical instruments for use in biopsying and aspirating bone and bone marrow in connection with diagnostic and therapeutic procedures in the fields of oncology and stem cell applications

Mark/Name	Registration No.	Registration Date	Full Goods/Services
VIDACARE	3822577	July 20, 2010	(Int'l Class: 10) medical instruments for use in accessing bone to install wires, inject bone cement and other materials associated with fixation and restoration procedures in the fields of vertebroplasty, spinal surgery, and orthopedic surgery
VIDACARE	4229079	October 23, 2012	(Int'l Class: 41) medical teaching and training of medical personnel utilizing cadaver laboratories to demonstrate and offer training for usage of vascular medical devices, surgical technique, and related anatomy
VIDACARE	2921433	January 25, 2005	(Int'l Class: 10) surgical, medical, dental and veterinary instruments, namely, needles used to infuse drugs and fluids into the bone marrow and thereby into the circulatory system, all of the foregoing used in the treatment of emergency conditions where intravenous access to the circulatory system is not readily available
VIDACARE	3825593	July 27, 2010	(Int'l Class: 10) medical instruments for use in providing access to a patient's vascular system for therapeutic procedures in the fields of hematology, oncology, and anesthesiology